

Title (en)
TRANSLUCENT REFLECTIVE LIQUID CRYSTAL DISPLAY

Title (de)
DURCHSCHEINENDE REFLEKTIERENDE FLÜSSIGKRISTALLANZEIGE

Title (fr)
ECRAN A CRISTAUX LIQUIDES REFLECHISSANT TRANSPARENT

Publication
EP 1378784 A4 20070509 (EN)

Application
EP 02705319 A 20020319

Priority
• JP 0202575 W 20020319
• JP 2001115704 A 20010413

Abstract (en)
[origin: EP1378784A1] A transfective liquid crystal display comprises a first substrate having a transparent electrode, a second substrate having a transfective electrode on which a region having a reflection function is formed and a region having a transmission function is formed, a homogeneously oriented liquid crystal layer sandwiched between the first and second substrates, a first optical anisotropic element arranged on the surface of the first substrate opposite to the surface contacting the liquid crystal layer, a polarizer arranged on the first optical anisotropic element, a second optical anisotropic element arranged on the surface opposite to the surface of the second substrate contacting the liquid crystal layer, and a polarizer arranged on the lower surface of the second optical anisotropic element wherein said second optical anisotropic element comprises at least one sheet of liquid crystal film obtained by fixing a nematic hybrid orientation formed by a liquid crystalline polymer exhibiting an optically positive uniaxial property, in a liquid crystal state. The transfective liquid crystal display provides a bright image with high contrast in the transmission mode and is excellent viewing angle properties. <IMAGE>

IPC 1-7
G02F 1/00

IPC 8 full level
G02F 1/1335 (2006.01); **G02F 1/13363** (2006.01); **G02F 1/139** (2006.01)

CPC (source: EP KR US)
G02F 1/1335 (2013.01 - KR); **G02F 1/133555** (2013.01 - EP US); **G02F 1/13363** (2013.01 - EP US); **G02F 1/133632** (2013.01 - EP US); **G02F 1/133633** (2021.01 - EP US); **G02F 1/1393** (2013.01 - EP US); **G02F 2413/04** (2013.01 - EP US); **G02F 2413/08** (2013.01 - EP US); **G02F 2413/105** (2013.01 - EP US)

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Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 1378784 A1 20040107; **EP 1378784 A4 20070509**; CN 1289955 C 20061213; CN 1507577 A 20040623; JP 2002311426 A 20021023; JP 4125876 B2 20080730; KR 100833767 B1 20080529; KR 20040019288 A 20040305; US 2004119920 A1 20040624; US 7064798 B2 20060620; WO 02084389 A1 20021024

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EP 02705319 A 20020319; CN 02809513 A 20020319; JP 0202575 W 20020319; JP 2001115704 A 20010413; KR 20037013345 A 20031010; US 47452603 A 20031009